

Product datasheet

Anti-CD109 antibody [B-E47] ab47169

1 Image

Overview

Product name	Anti-CD109 antibody [B-E47]
Description	Mouse monoclonal [B-E47] to CD109
Host species	Mouse
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Eahy 926 cell line
Positive control	Eahy 926 cell line

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: None Constituents: PBS
Purity	Ion Exchange Chromatography
Purification notes	Sterile-filtered through 0.22 µm and treated to remove endotoxins. Carrier and preservative free
Clonality	Monoclonal
Clone number	B-E47
Myeloma	x63-Ag8.653
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab47169** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
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Flow Cyt

Use at an assay dependent concentration.

[ab170190](#) - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target

Function

Modulates negatively TGFB1 signaling in keratinocytes.

Tissue specificity

Widely expressed with high level in uterus, aorta, heart, lung, trachea, placenta and in fetal heart, kidney, liver, spleen and lung. Expressed by CD34(+) acute myeloid leukemia cell lines, T-cell lines, activated T-lymphoblasts, endothelial cells and activated platelets. Isoform 5 is expressed in placenta. Isoform 1 is expressed in keratinocytes and placenta.

Sequence similarities

Belongs to the protease inhibitor I39 (alpha-2-macroglobulin) family.

Post-translational modifications

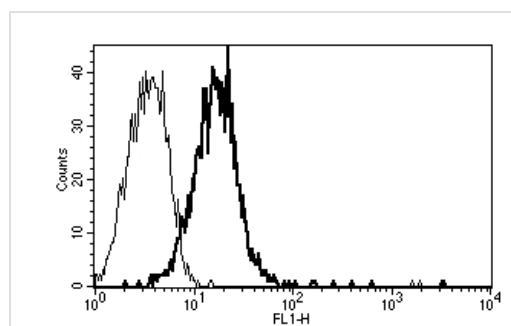
N-glycosylated.

2 forms of 150 (p150) and 120 kDa (p120) exist due to proteolytic degradation from a 180 kDa form.

Cellular localization

Cell membrane.

Images



A typical staining pattern with ab47169 of Eahy 926 cell line

Flow Cytometry - Anti-CD109 antibody [B-E47]
(ab47169)

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